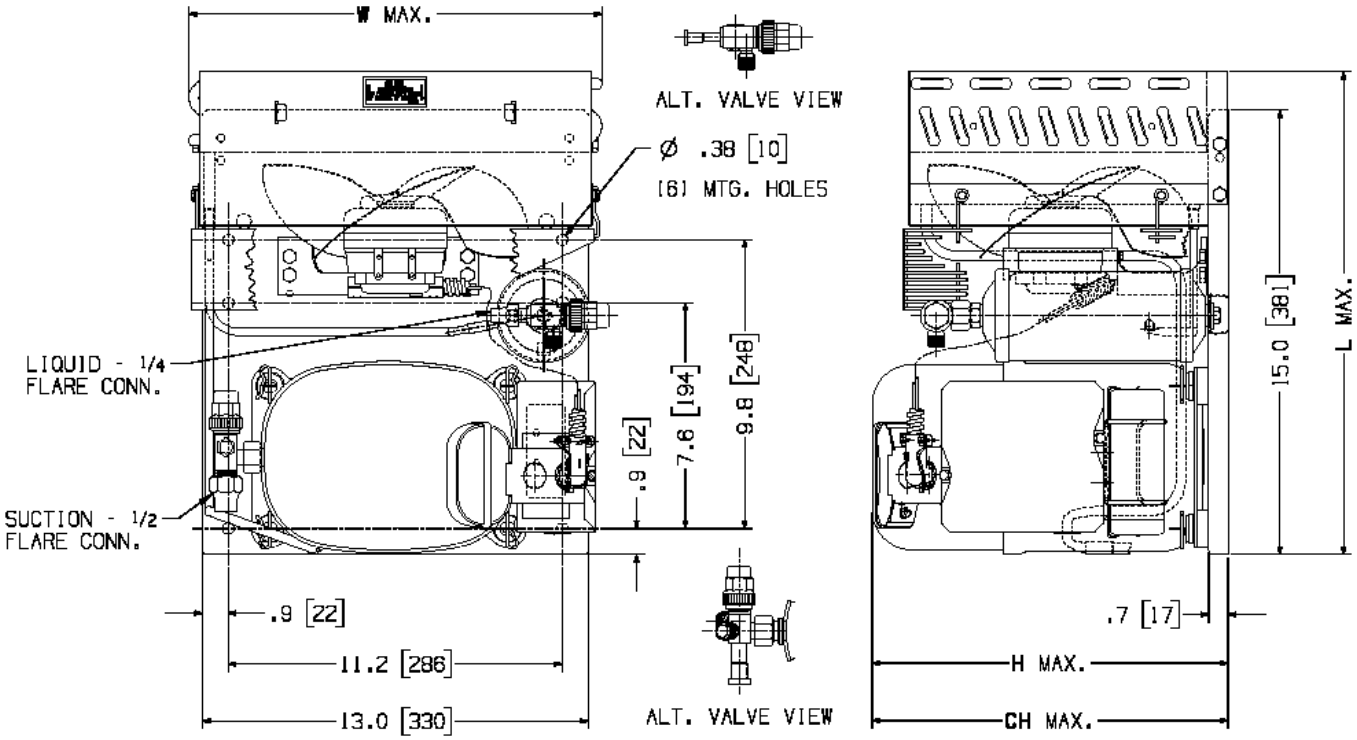
Tecumseh Products Company
Hermetic Condensing Units

Model: AJA2422ZXAXC **R-404a** **½ HP** **AIR COOLED**



Note: Dimensioning = Inches [mm]

Model	Dimensions, inches				Line Connection*		Pump down	Air	Oil Ch	Gr. Wt.
	L	W	H	CH	Suction	Liquid	90 °F 90%	SCFM	Oz.	Lbs.
AJA2422ZXAXC	16.4	14.0	11.6	11.6	½" Flare	¼ Flare	2.8 Lbs	285	26	87

* F = Flare, S = Solder, RF or RS = Rotolock with Flare or Solder Connections, C = Compression Fitting
Factory charge: 20 PSIG Nitrogen – **MUST BE EVACUATED**

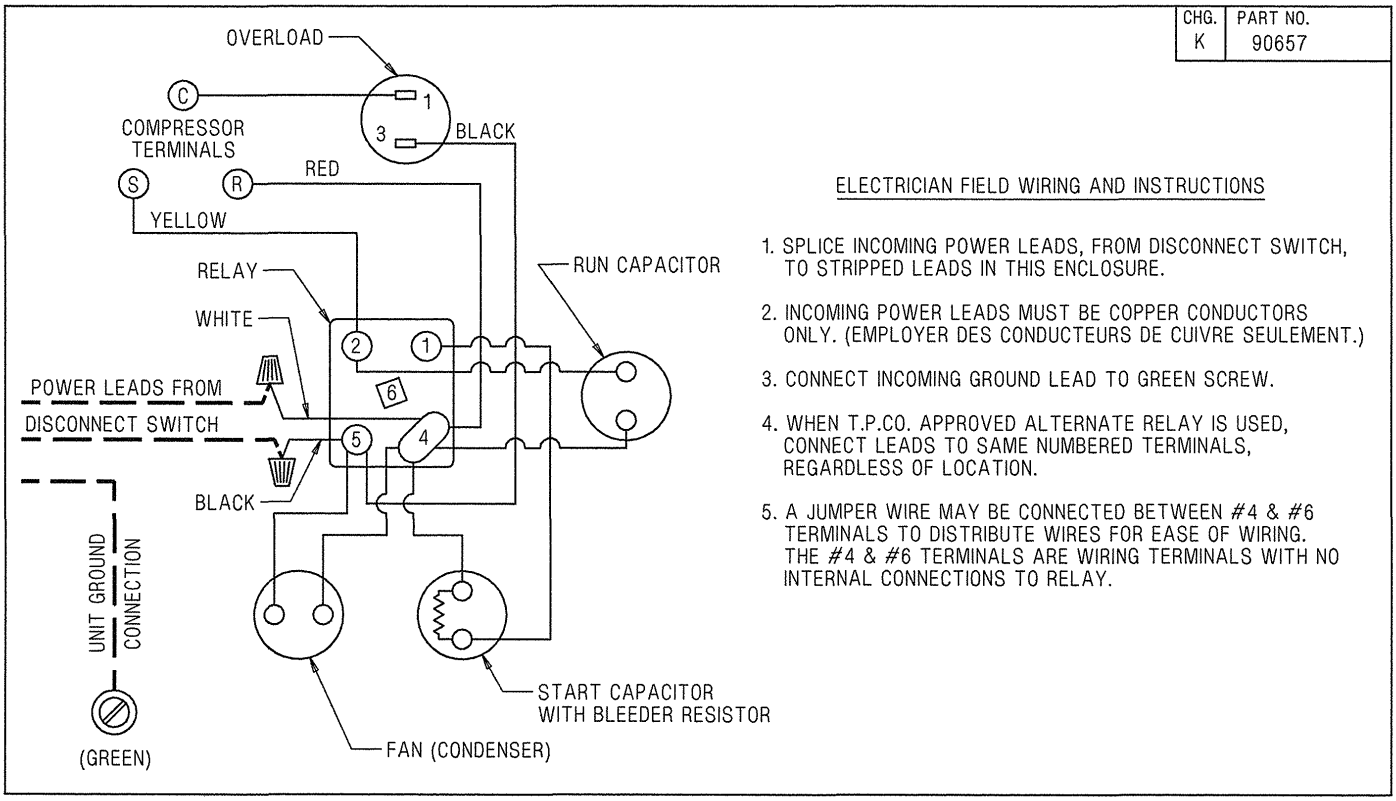
60 Hz Performance

		Ambient Temperatures								
Evaporator		90°F			100°F			110°F		
T, °F	PSIG	BTUH	Watts	Head	BTUH	Watts	Head	BTUH	Watts	Head
-30	9.9	1290	485	240	1060	475	275	875	460	305
-25	13.0	1500	530	250	1270	425	280	1070	510	315
-20	16.3	1710	575	260	1475	575	290	1270	565	325
-15	19.5	1950	625	270	1680	625	300	1450	615	335
-10	24.0	2180	675	280	1885	675	310	1640	670	345
-5	28.3	2420	725	290	2090	725	320	1810	725	355
0	33.0	2660	780	305	2330	785	335	1980	785	370
5	38.1	2910	835	315	2535	845	350	2140	850	380
10	42.4	3160	895	320	2740	905	365	2300	915	395

Return gas temp. 40°F, 5°F sub cooling

Specifications:

Model	AJA2422ZXAXC		Model	AJA2422ZXAXC
Nominal Volts-Hz-Ph	115/60/1; 100/50/1		Condenser	50803-1
Unit Bill of Material	2D253-1		Receiver	51080-1
Voltage Range	103.5 to 126.5		Liquid Valve -Receiver	31584-1
Min. Circuit Ampacity	10.7		Rotolock Valve Gasket	30334
Max. Fuse Size (amps)	15		Suction Valve	31547-7
Compressor Model	AJA2419ZXA		Rotolock Valve Gasket	30334
Comp. Bill of Material	AJ303AT-336-P2		Fan Shroud	70766-1
Alt. Comp. Bill of Mat.	----------		Fan Blade	51564-1
Compressor RLA/LRA	8.10/68.0		Fan Guard	70785-2
Overload	8300CRBL10			
Relay	820ARR3B92			
Alternate Relay	8200128H53			
Start Capacitor	85PS110A15			
Start Capacitor Rating	270-324 µF/110V			
Run Cap.	85PR370E36 or F40			
Run Cap. Rating	15 µF/370 V			
Fan Motor	810M009B48 or B24		Unit Drawing	SU1893-34
Fan RLA	0.53 Amps		Electrical Drawing	90657
			Design Pressures (L/H)	181 PSIG / 450 PSIG


CHG. K
PART NO. 90657
OVERLOAD
C
COMPRESSOR TERMINALS
S
R
RED
YELLOW
BLACK
RELAY
WHITE
RUN CAPACITOR
POWER LEADS FROM DISCONNECT SWITCH
BLACK
UNIT GROUND CONNECTION
(GREEN)
START CAPACITOR WITH BLEEDER RESISTOR
FAN (CONDENSER)
ELECTRICIAN FIELD WIRING AND INSTRUCTIONS
1. SPLICE INCOMING POWER LEADS, FROM DISCONNECT SWITCH, TO STRIPPED LEADS IN THIS ENCLOSURE.
2. INCOMING POWER LEADS MUST BE COPPER CONDUCTORS ONLY. (EMPLOYER DES CONDUCTEURS DE CUIVRE SEULEMENT.)
3. CONNECT INCOMING GROUND LEAD TO GREEN SCREW.
4. WHEN T.P.CO. APPROVED ALTERNATE RELAY IS USED, CONNECT LEADS TO SAME NUMBERED TERMINALS, REGARDLESS OF LOCATION.
5. A JUMPER WIRE MAY BE CONNECTED BETWEEN #4 & #6 TERMINALS TO DISTRIBUTE WIRES FOR EASE OF WIRING. THE #4 & #6 TERMINALS ARE WIRING TERMINALS WITH NO INTERNAL CONNECTIONS TO RELAY.

S.E.